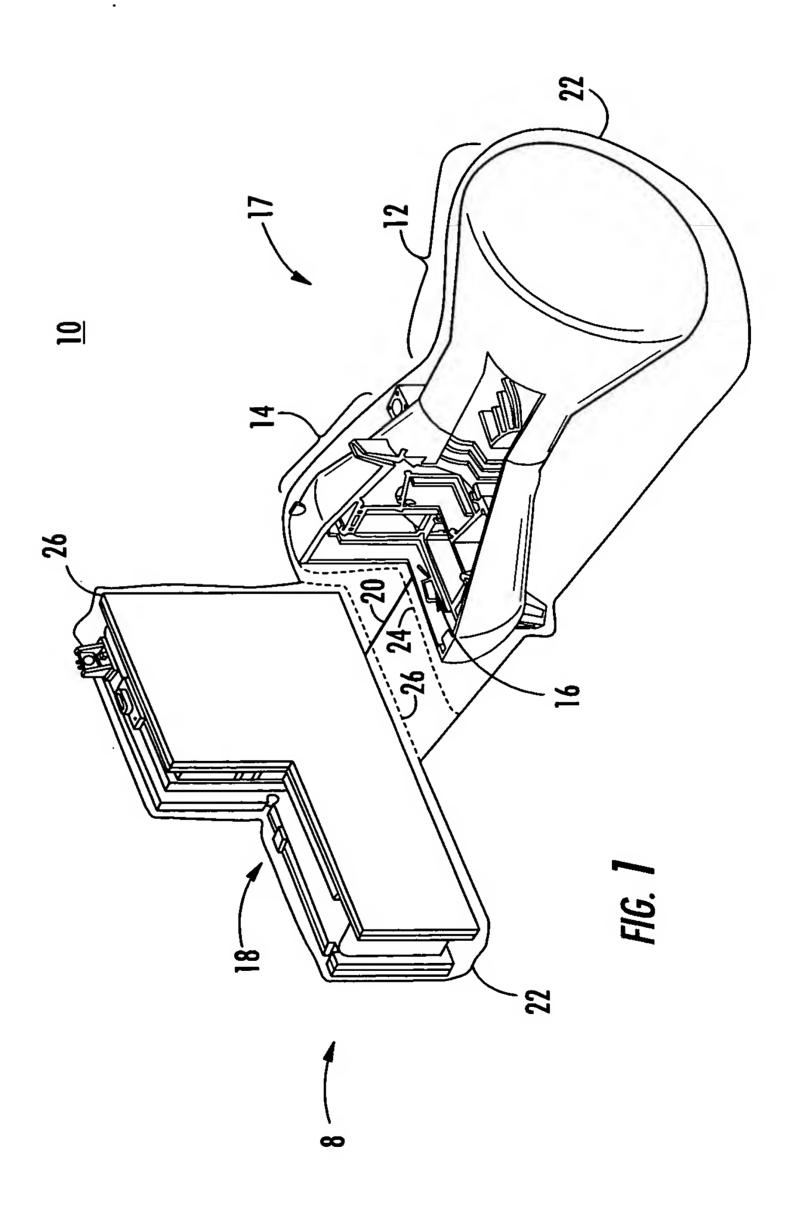


Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 1 of 19



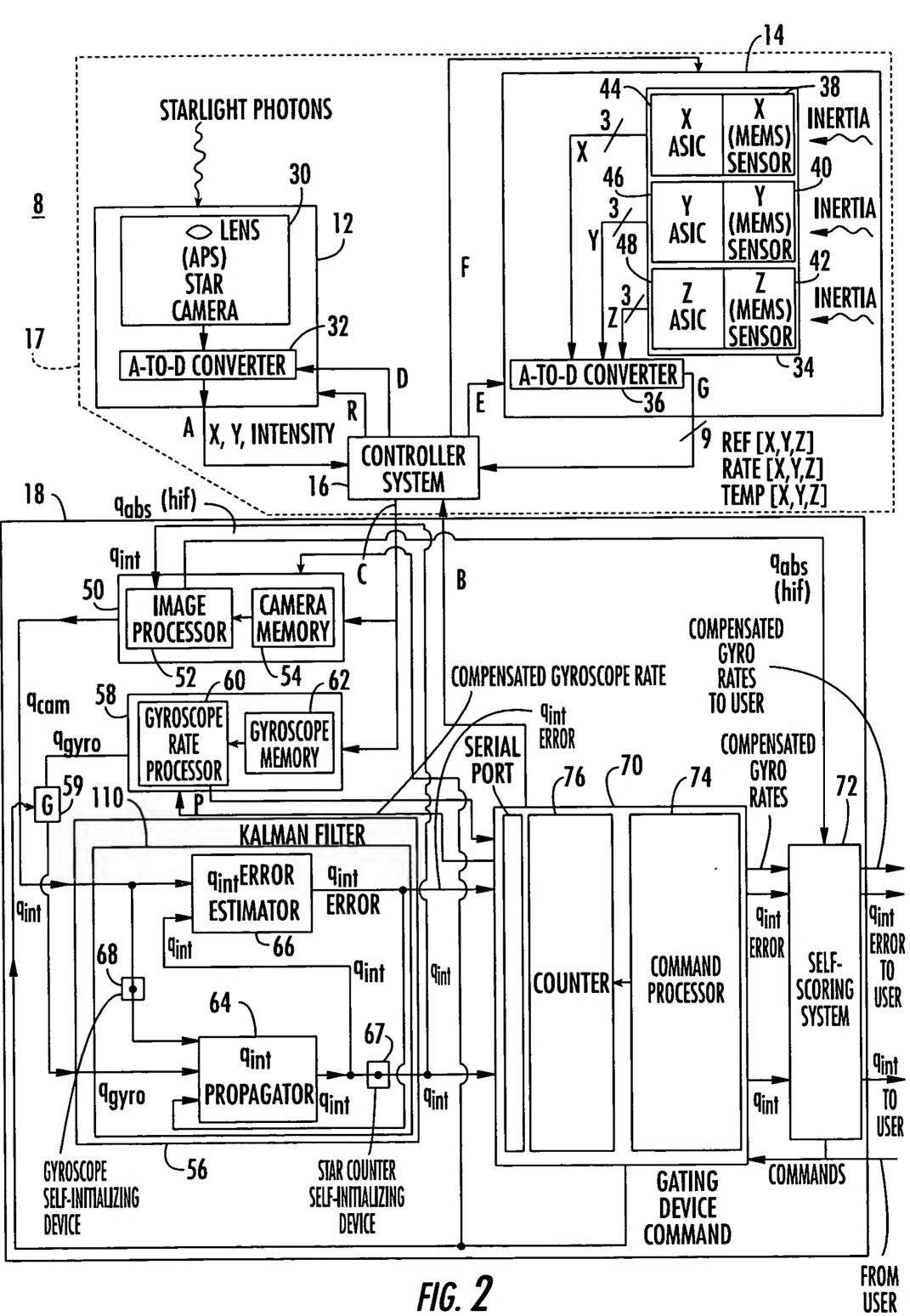
Applicant: Brady et al. Serial No.:

10/621,097 Title:

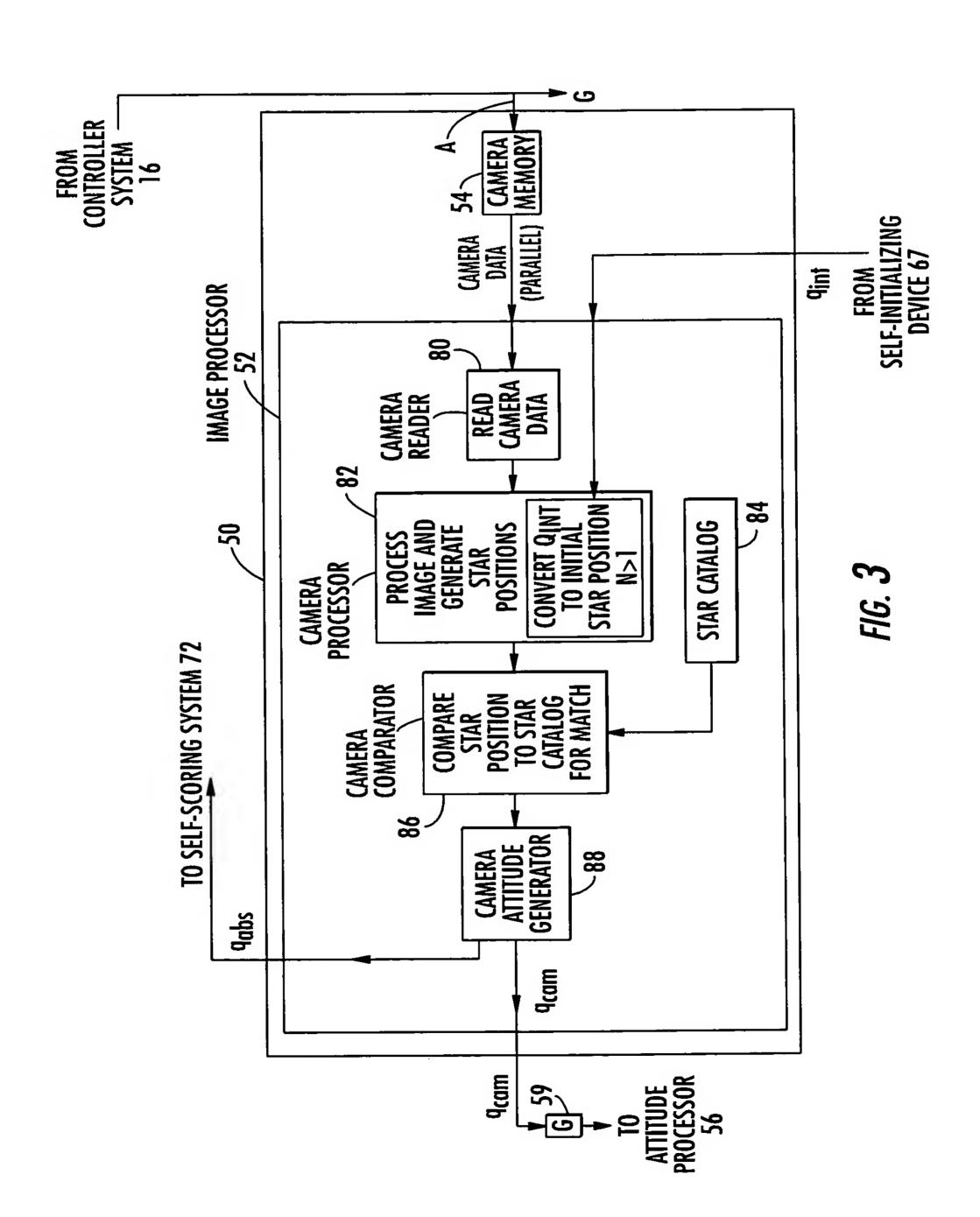
INTEGRATED INERTIAL STELLAR ATTITUDE **SENSOR** 

Docket No.: DR-354J Attorney: Iandiorio & Teska Page 2 of 19

2/19



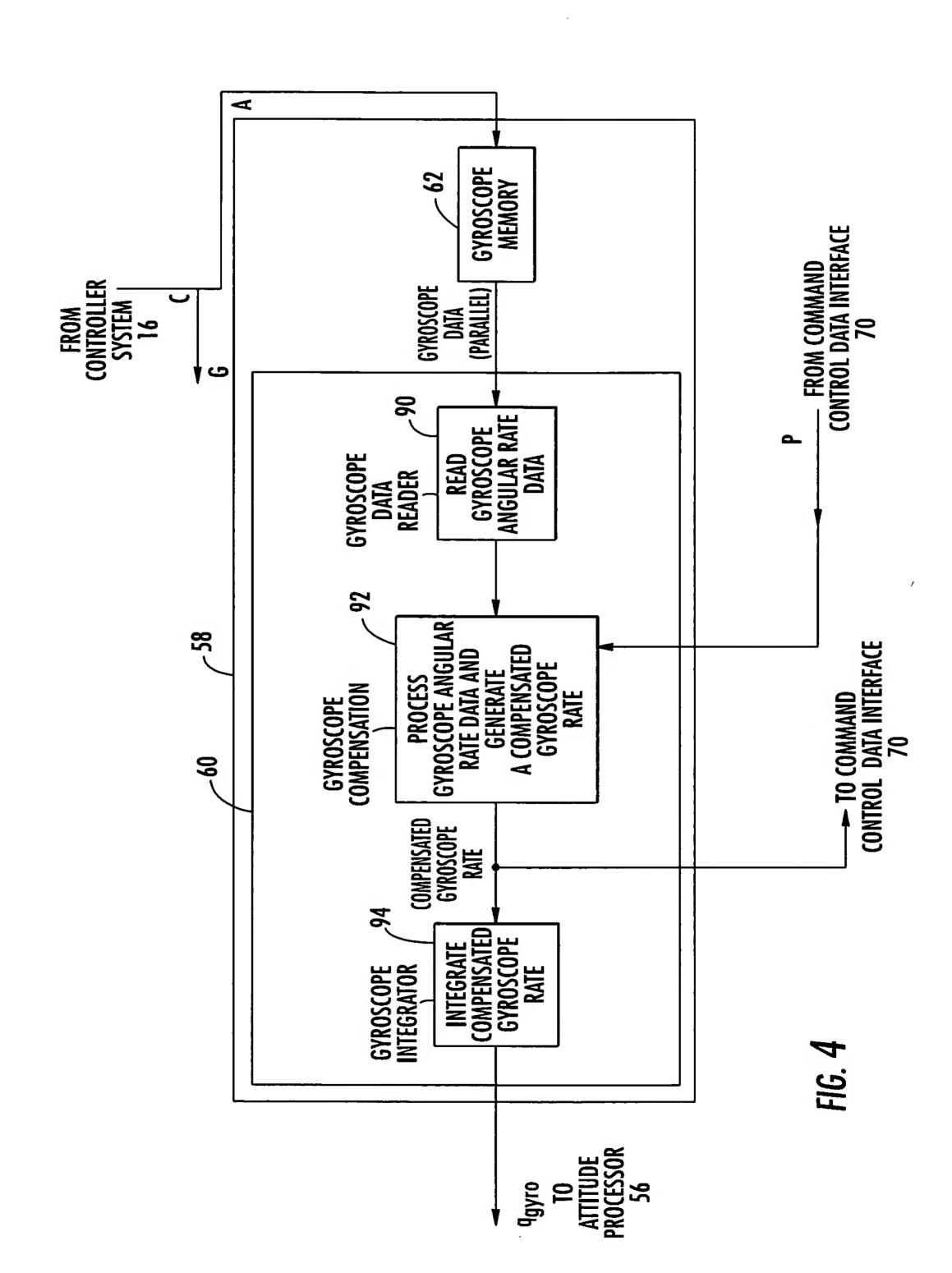
Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 3 of 19



Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRAT

itle: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR

Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 4 of 19



Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR

Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 5 of 19

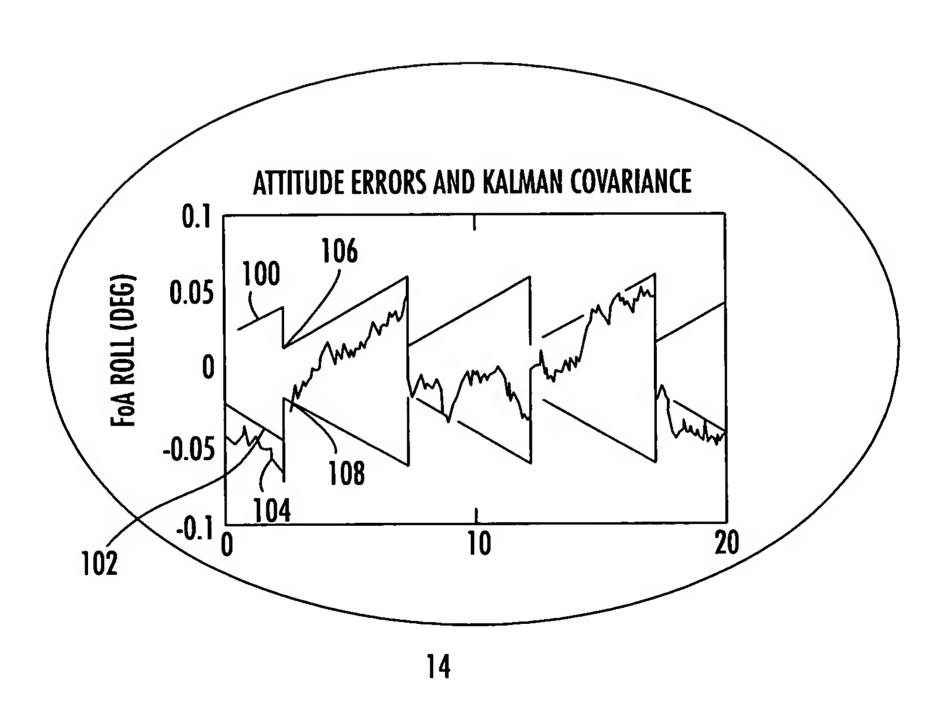


FIG. 5

Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR

SENSOR

Docket No.: DR-354J

Attorney: Iandiorio & Teska

Page 6 of 19

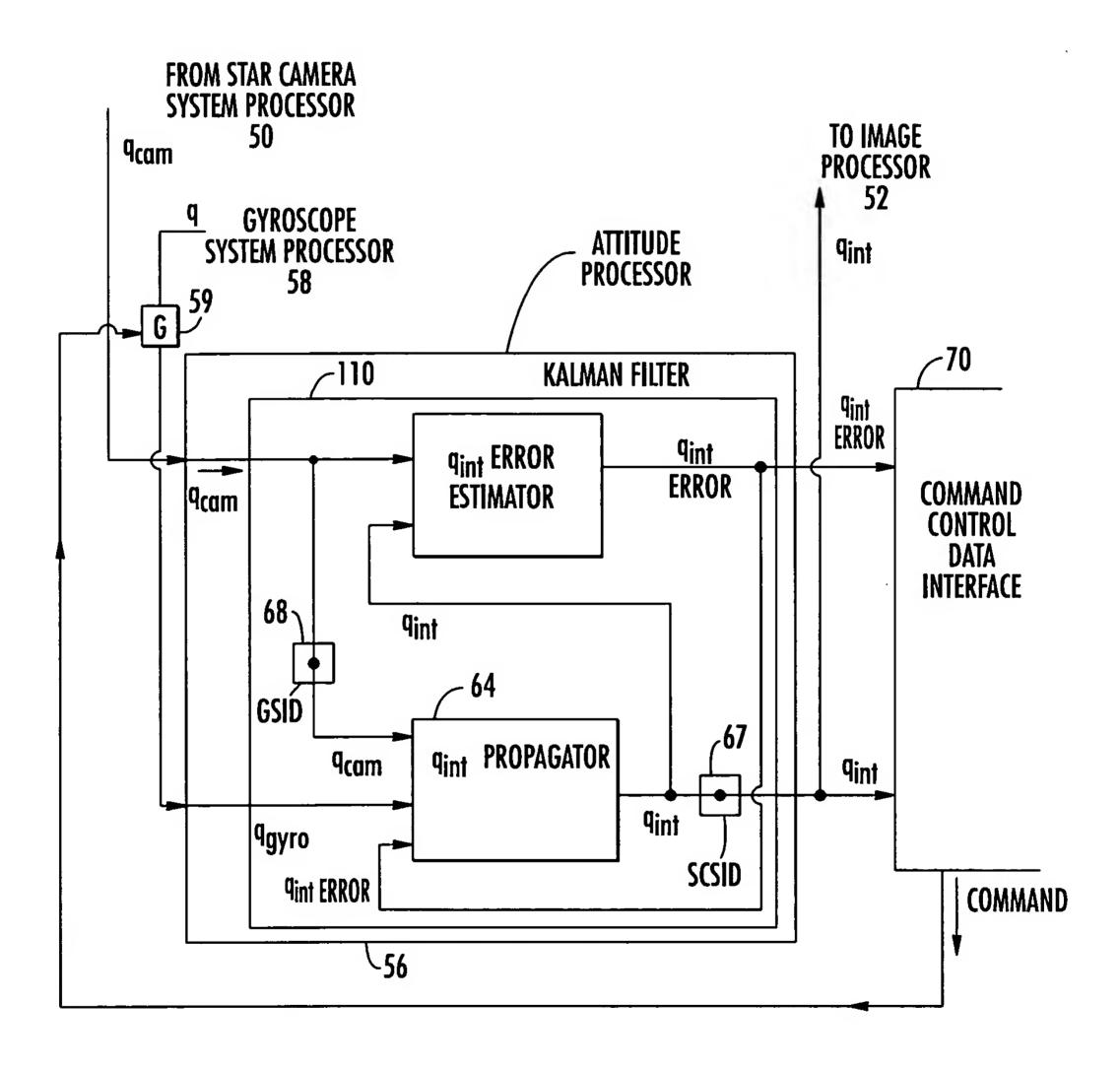


FIG. 6

Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 7 of 19

7/19

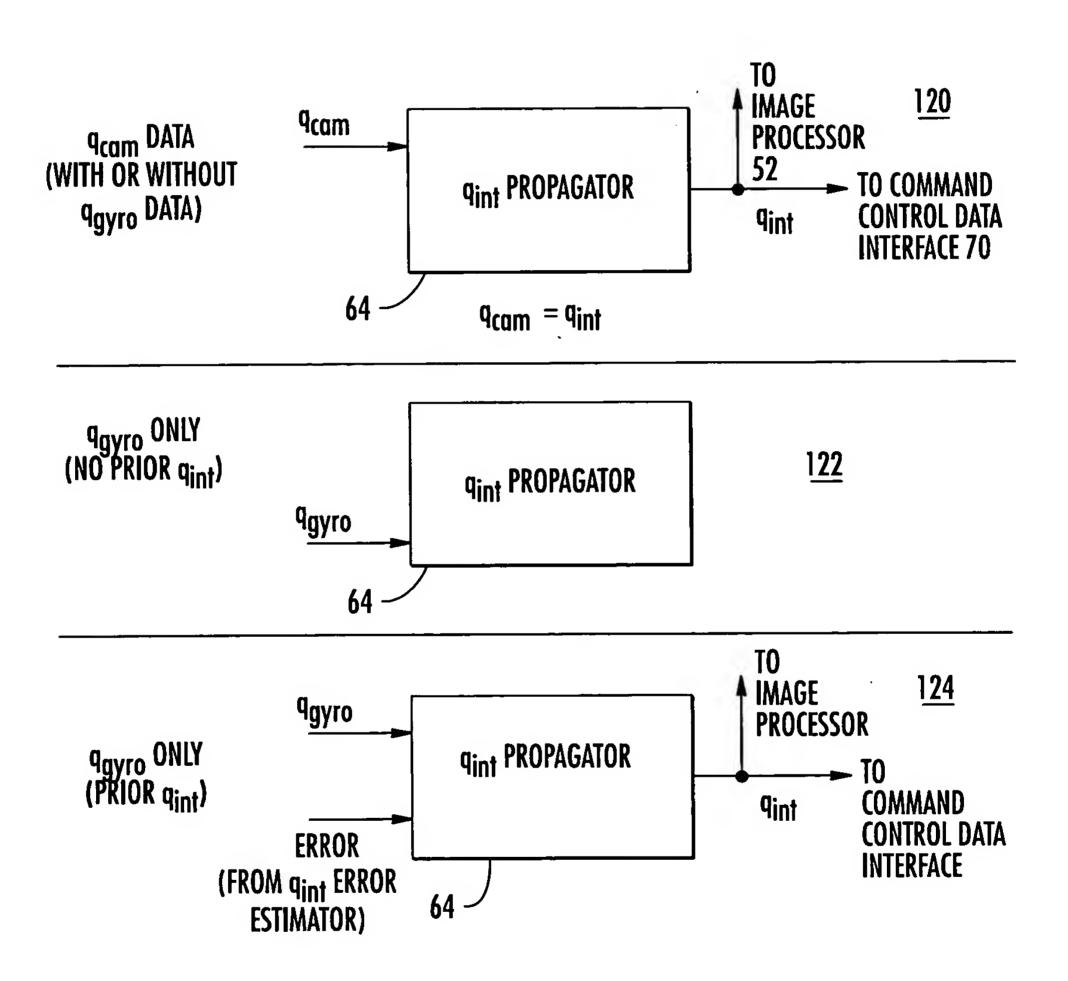
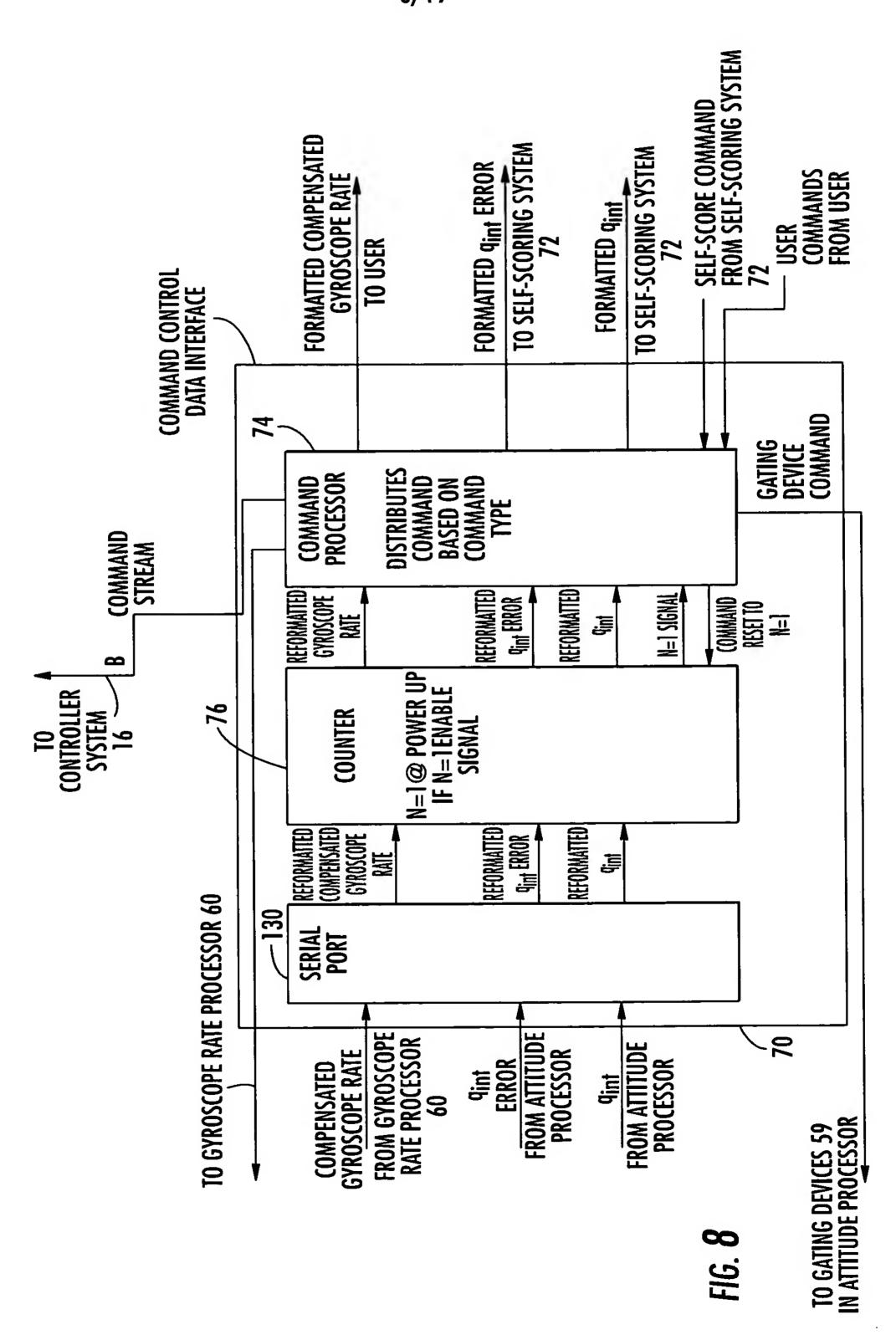


FIG. 7

Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska

Page 8 of 19

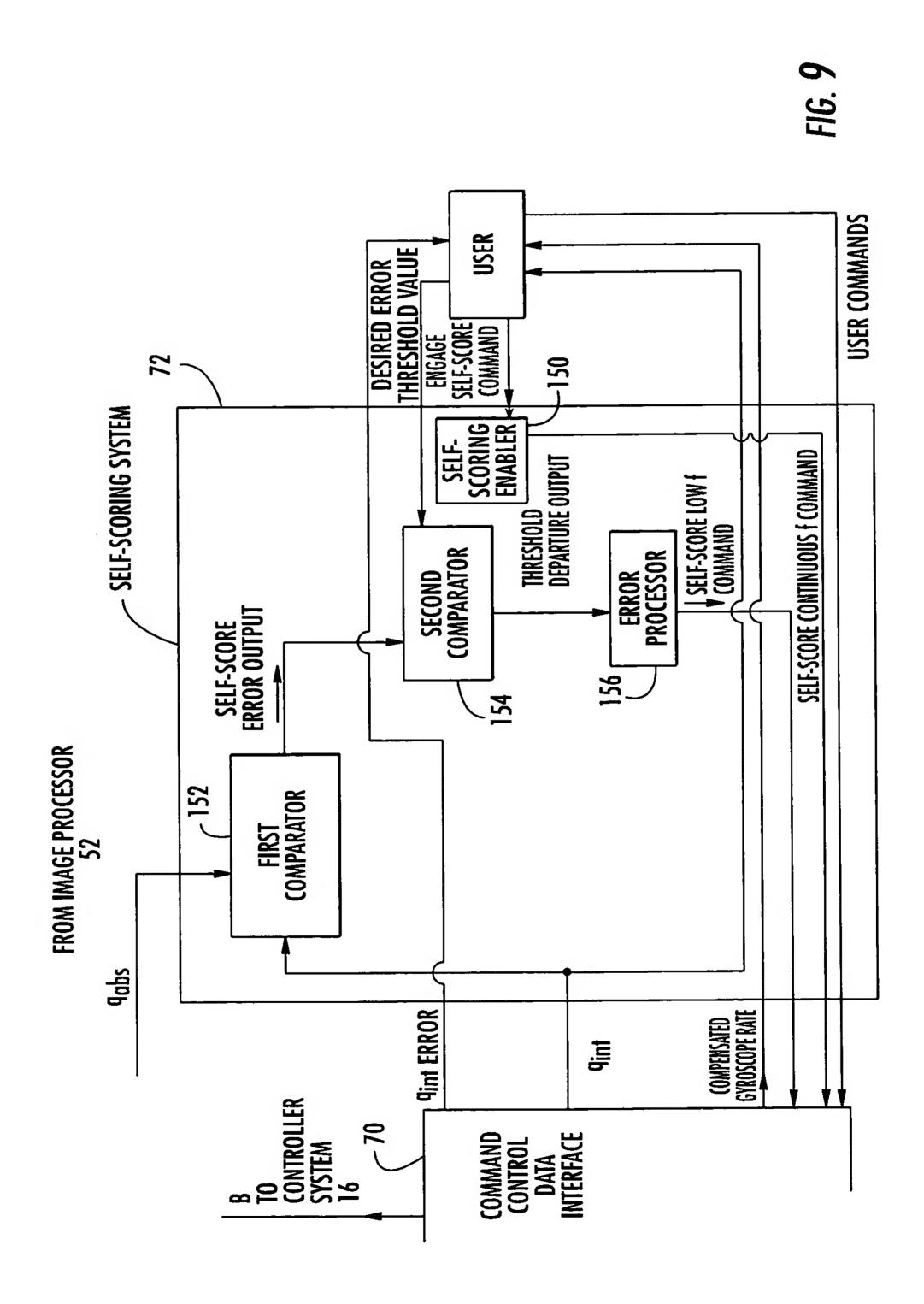


Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR

Docket No.: DR-354J

Attorney: Iandiorio & Teska

Page 9 of 19



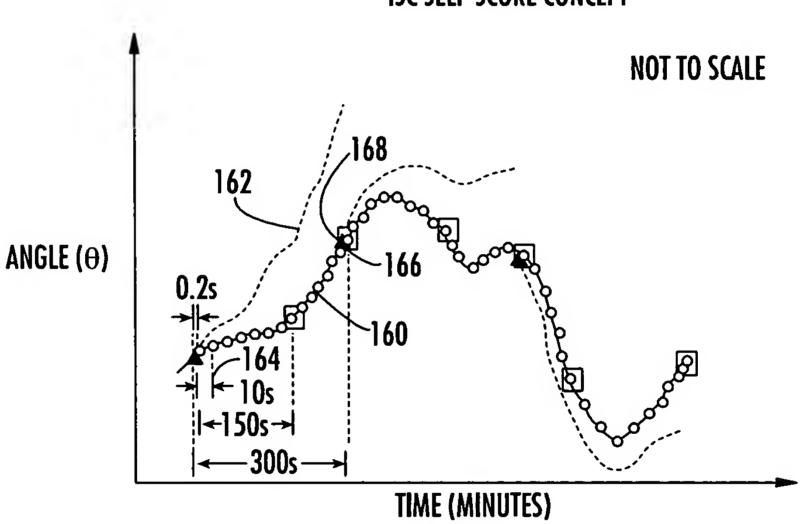
Page 10 of 19

Title: INTEGRATED INERTIAL STELLAR ATTITUDE

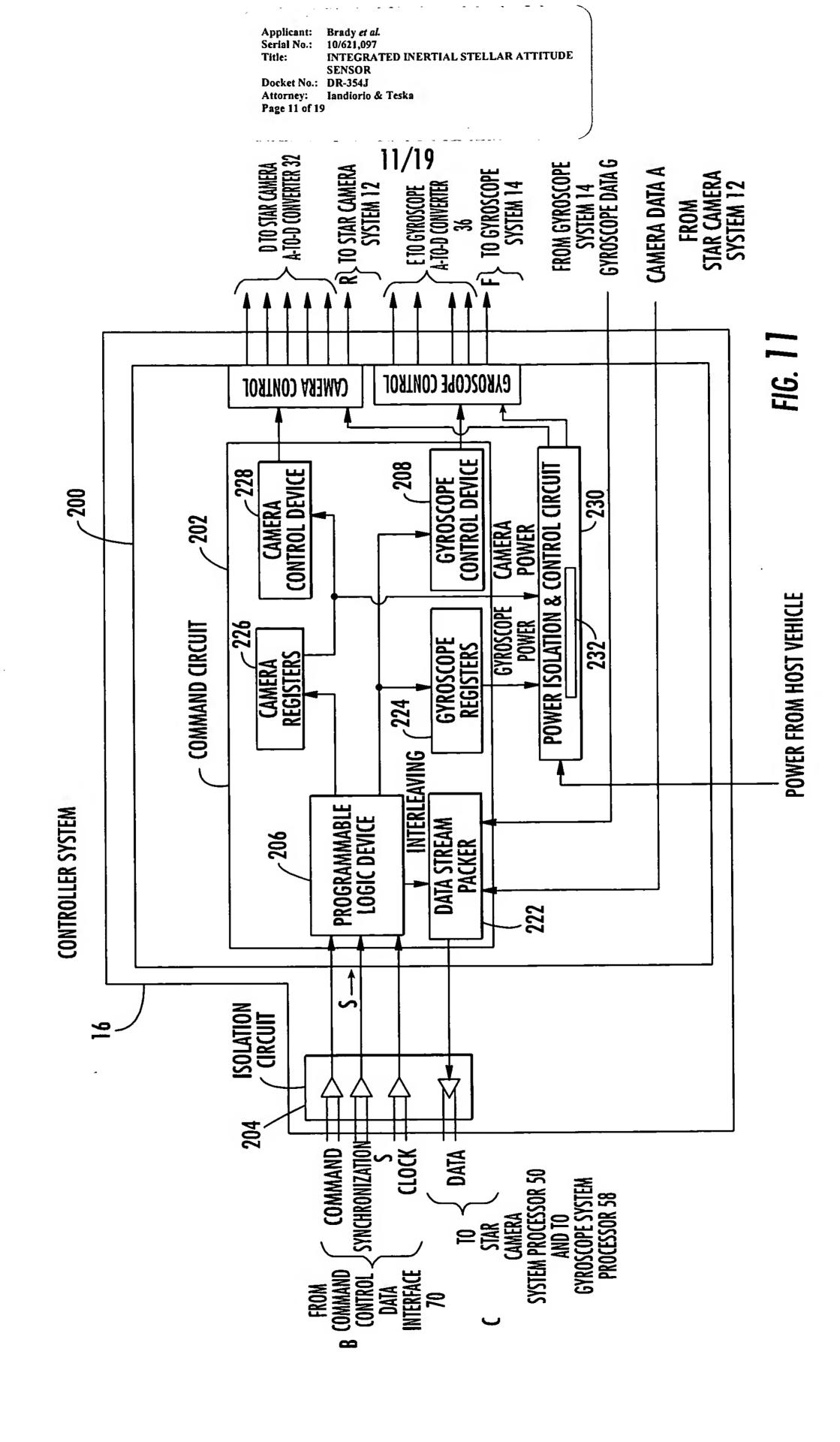
SENSOR

Docket No.: DR-354J Attorney: Iandiorio & Teska





- HOST SPACECRAFT ATTITUDE (ABSOLUTE TRUTH)
- ---- ISC q<sub>int</sub> WITH GYRO DRIFT (DATA TO BE VERIFIED)
  - ▲ ISC q<sub>int</sub> UPDATE BY q<sub>cam</sub> (DATA TO BE VERIFIED)
  - ISC CALCULATED q<sub>cam</sub> (MEASURED TRUTH)
  - ☐ ISC RAW IMAGE (MEASURED TRUTH)



Title: INTEGRATED INERTIAL STELLAR ATTITUDE

SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska

Page 12 of 19

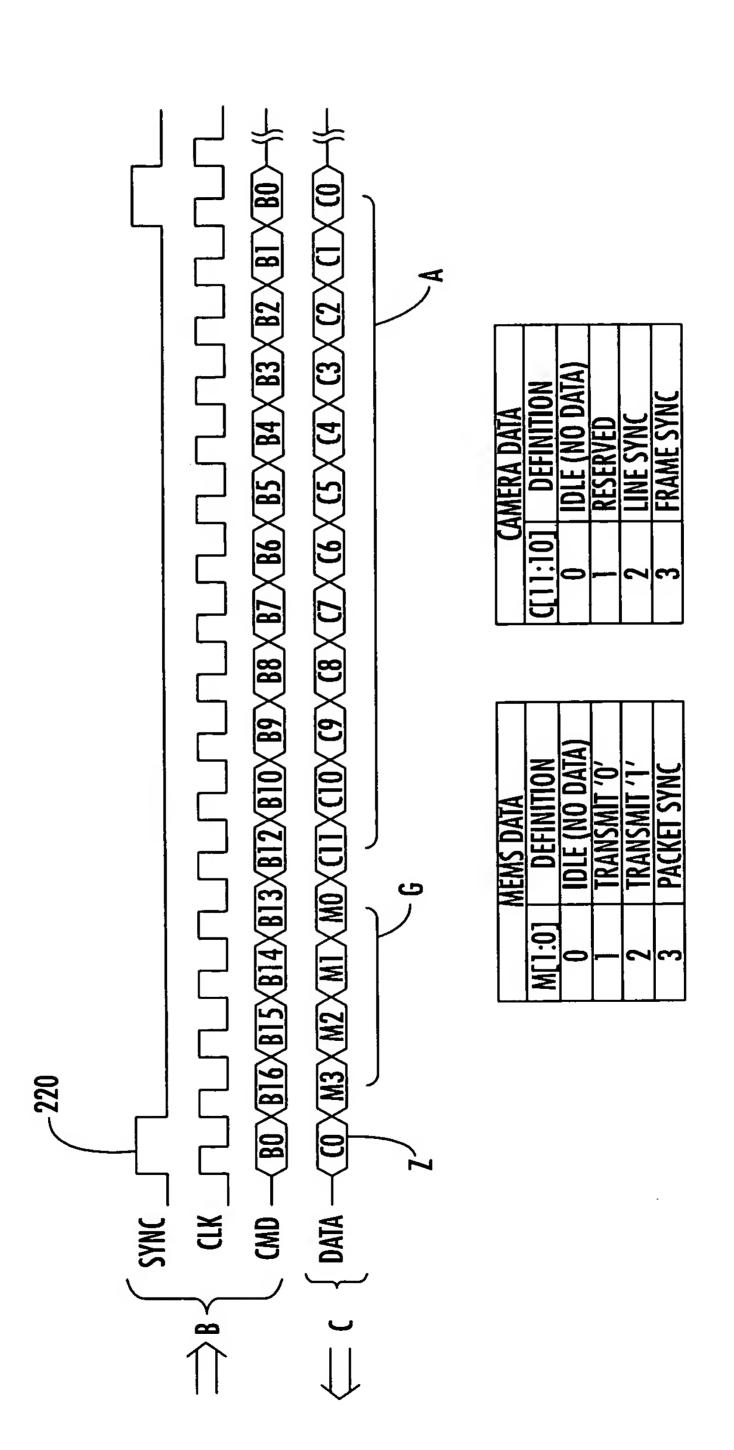
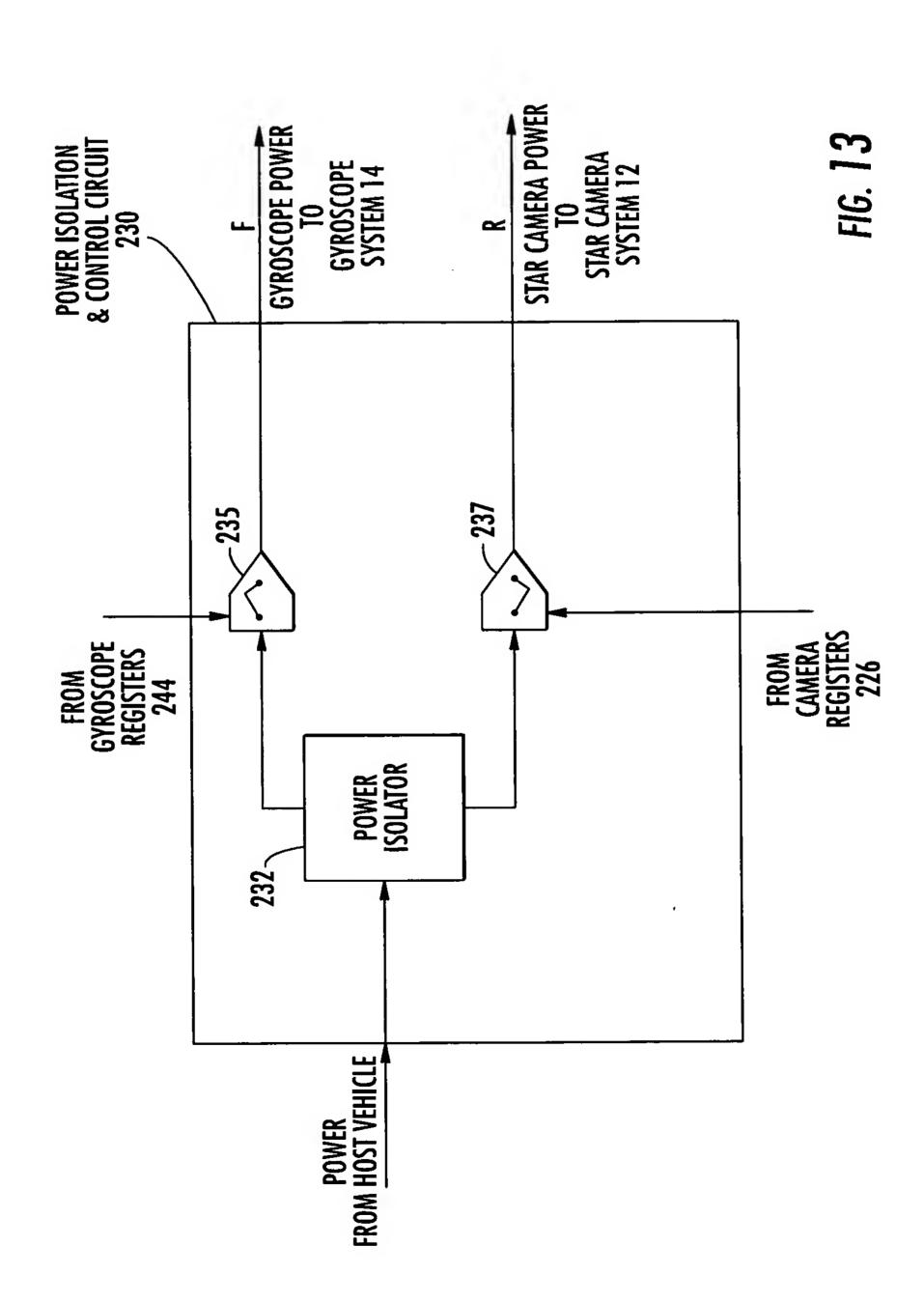


FIG 17

Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE
SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 13 of 19



Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 14 of 19

14/19

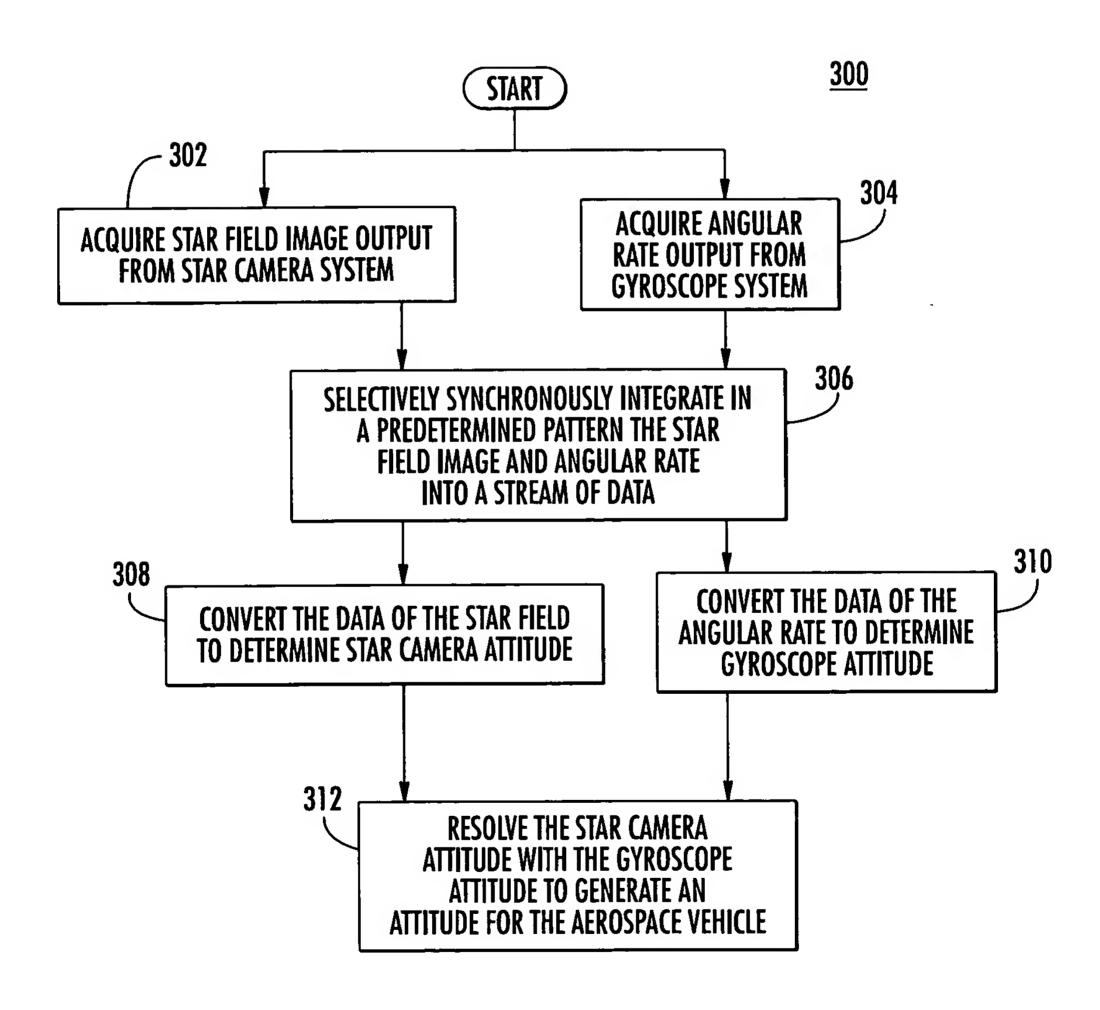


FIG. 14

Title: INTEGRATED INERTIAL STELLAR ATTITUDE

SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 15 of 19

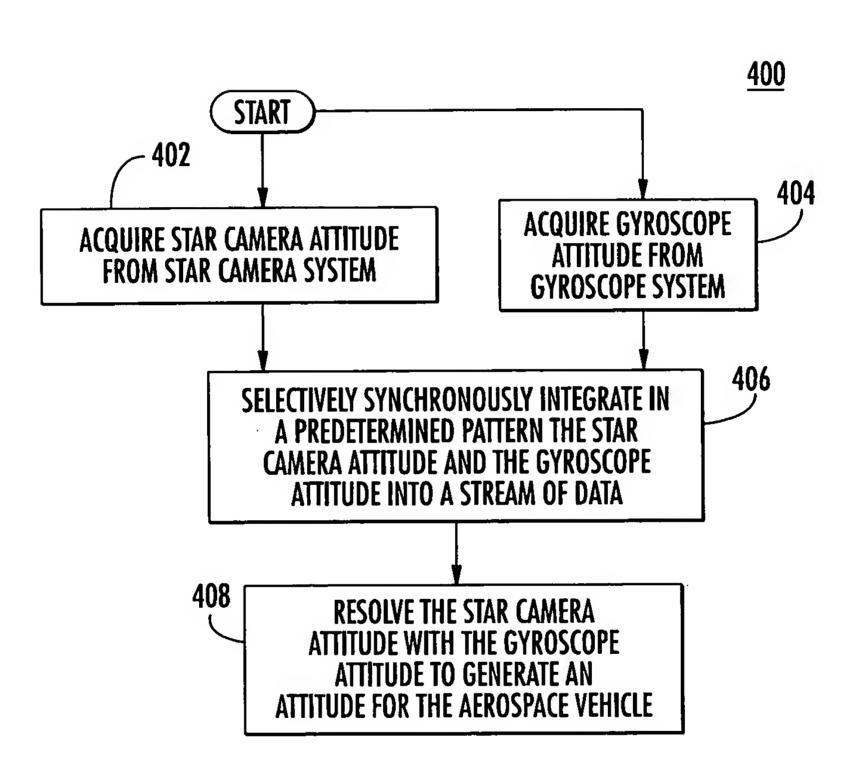


FIG. 15

Page 16 of 19

tle: INTEGRATED INERTIAL STELLAR ATTITUDE

SENSOR
Docket No.: .DR-354J
Attorney: Iandiorio & Teska

\_. . . .

16/19

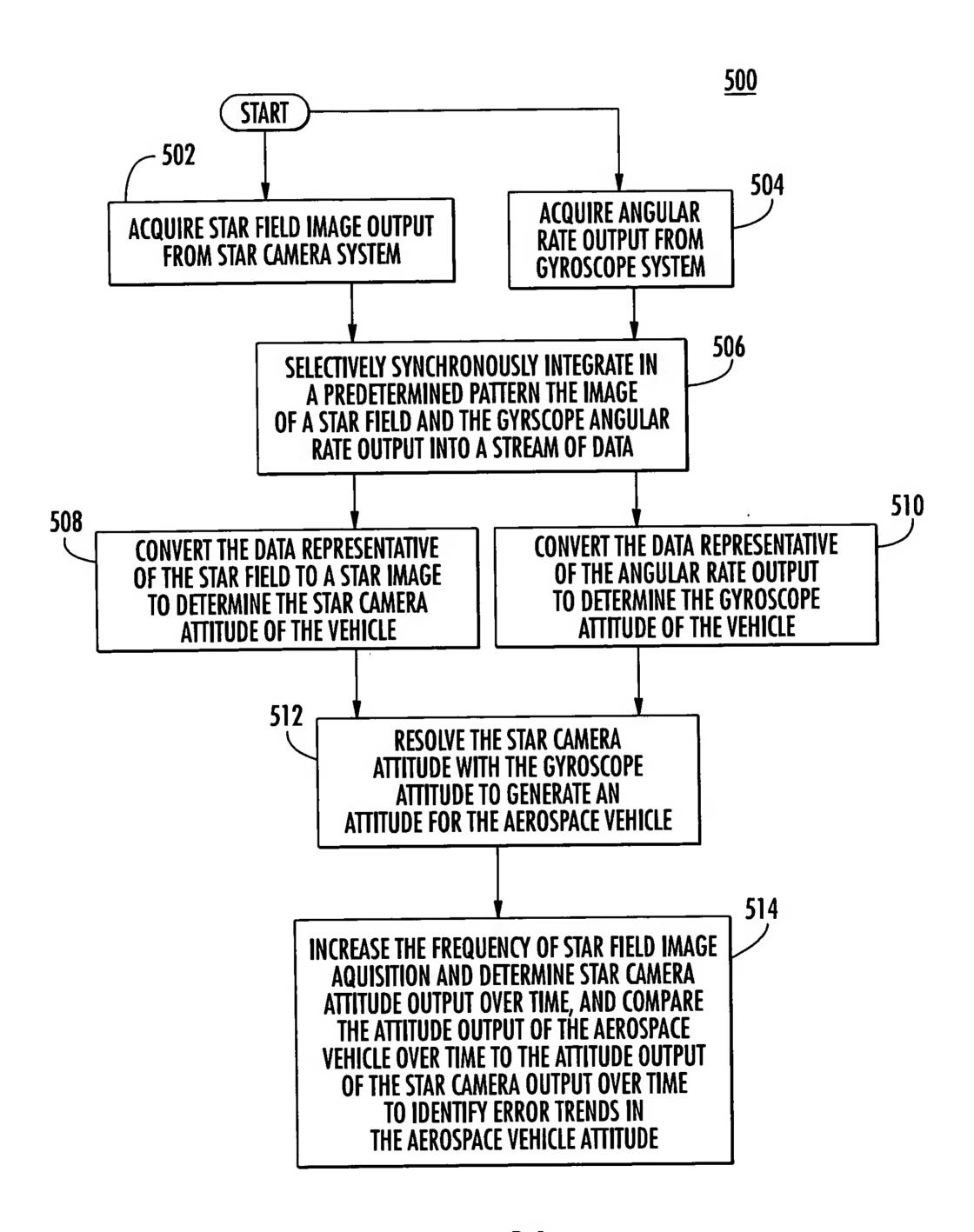


FIG. 16

Page 17 of 19

10/621,097 INTEGRATED INERTIAL STELLAR ATTITUDE

SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska

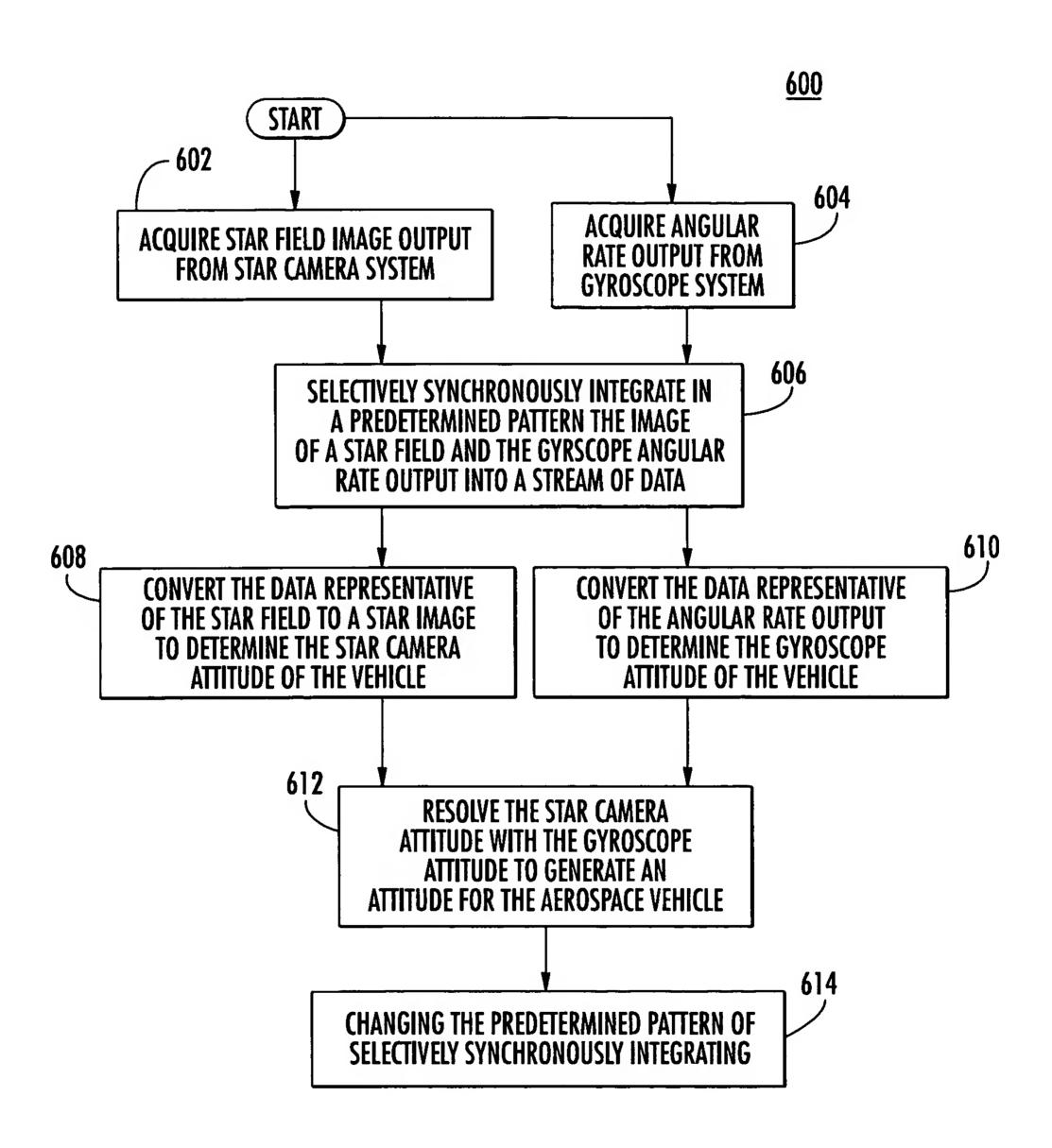


FIG. 17

Page 18 of 19

Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE
SENSOR

Docket No.: DR-354J Attorney: Iandiorio & Teska

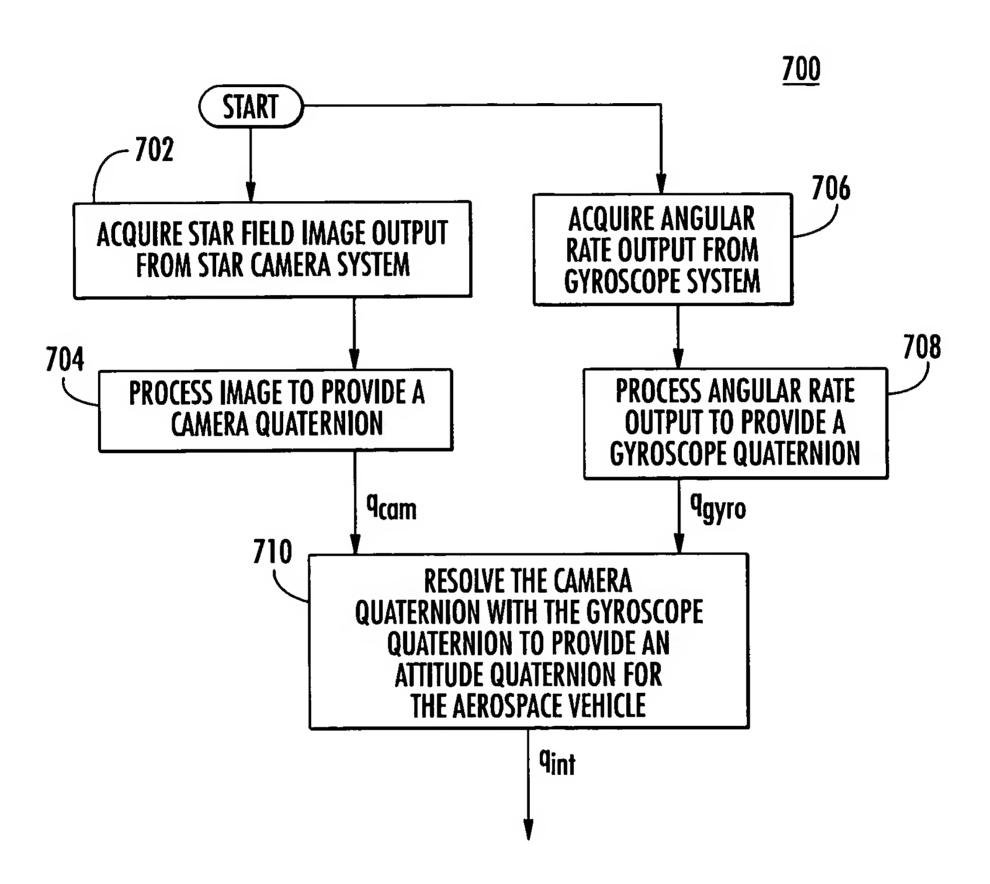


FIG. 18

Applicant: Brady et al.
Serial No.: 10/621,097
Title: INTEGRATED INERTIAL STELLAR ATTITUDE
SENSOR
Docket No.: DR-354J
Attorney: Iandiorio & Teska
Page 19 of 19

19/19

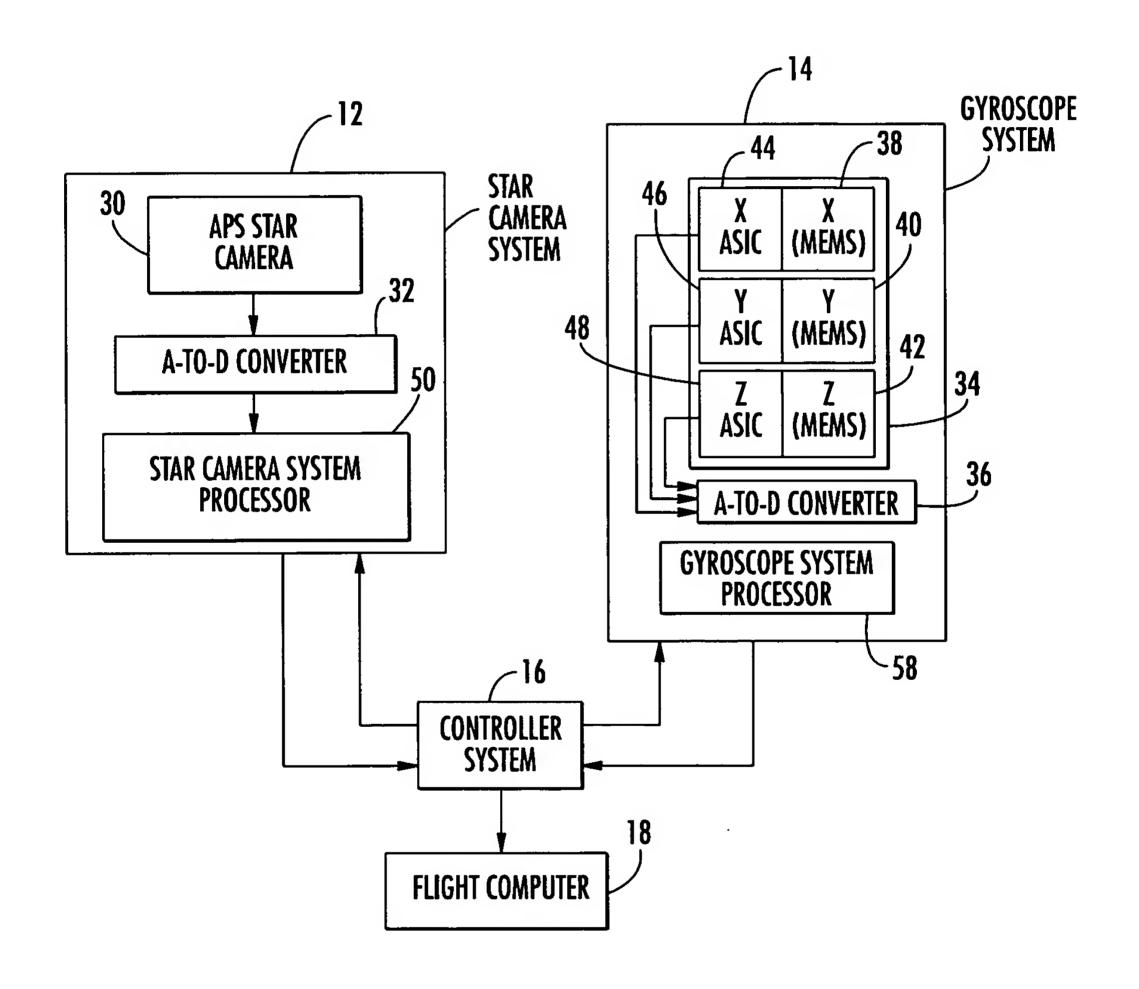


FIG. 19